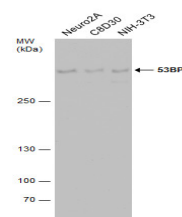


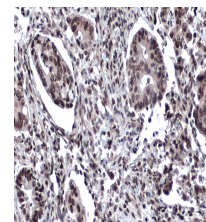
## Product Datasheet

### 53BP1 antibody GRP91

<b>Description</b>	P53-binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, specifically, double-strand breaks. This also suggests a role in DNA repair, maintaining genomic stability.
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ICC, IF, IHC-P, WB
<b>Immunogen</b>	Synthetic peptide corresponding to the carboxy-terminus of h53BP1, conjugated to a carrier protein.
<b>Form/Appearance</b>	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
<b>Concentration</b>	5.08 mg/ml
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Note</b>	For research use only.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Purified by antigen-affinity chromatography.
<b>Uniprot ID</b>	<b>Q12888</b>
<b>Entrez</b>	<b>7158</b>
<b>Dilution Range</b>	WB: 1:500-1:3000, IHC-P: 1:100-1:4000



Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with 53BP1 antibody (GRP543) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



53BP1 antibody detects 53BP1 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human colon cancer. 53BP1 stained by 53BP1 antibody (GRP543) diluted at 1:4000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min